



## Friedrich Knollmann, M.D., Ph.D.

<b>Clinical Interests</b>	Dr. Knollmann's clinical interests include: Cardiothoracic imaging, cardiovascular CT and MRI, chest imaging, and oncologic imaging.
<b>Research/Academic Interests</b>	Dr. Knollmann's research interests include: Cardiac imaging with CT and MRI, cardiovascular imaging, and assessment of tumor response to treatment with CT perfusion imaging in lung cancer.
<b>Title</b>	Professor of Clinical Radiology
<b>Specialty</b>	<a href="#">Radiology</a> , Cardiothoracic Radiology
<b>Department</b>	<a href="#">Radiology</a>
<b>Division</b>	Cardiac Radiology
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<b>Languages</b>	German
<b>Education</b>	M.D., University of Heidelberg, Heidelberg, Germany 1993 Ph.D., Diagnostic Radiology, Humboldt University, Charite, Berlin, Germany 2001
<b>Internships</b>	Radiology, Universitaetsklinikum Rudolf Virchow, Berlin, Germany 1993-1995
<b>Residency</b>	Diagnostic Radiology, Charite, Berlin, Germany 1997-1999 Cardiothoracic Surgery, Deuschers Herzzentrum, Berlin, Germany 1996-1997
<b>Board Certifications</b>	American Board of Radiology, Diagnostic Radiology, 2011 Board Certified, Cardiovascular Computed Tomography, 2011
<b>Professional Memberships</b>	American College of Radiology American Heart Association American Roentgen Ray Society



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European Society of Radiology  
North American Society for Cardiovascular Imaging  
Radiological Society of North America  
Society of Cardiovascular Computed Tomography  
Society of Thoracic Radiology

### Honors and Awards

Certificate of Reviewing Excellence presented by Elsevier and the Editors in Academic Radiology for excellence in peer review, 2013

### Select Recent Publications

Popma JJ, Adams DH, Reardon MJ, Yakubov SJ, Kleiman NS, Heimansohn D, Hermiller J Jr, Hughes GC, Harrison JK, Coselli J, Diez J, Kafi A, Schreiber T, Gleason TG, Conte J, Buchbinder M, Deeb GM, Carabello B, Serruys PW, Chenoweth S, Oh JK; CoreValve United States Clinical Investigators. Transcatheter aortic valve replacement using a self-expanding bioprosthesis in patients with severe aortic stenosis at extreme risk for surgery. *J Am Coll Cardiol.* 2014 May 20;63(19):1972-81.

Knollmann FD, Kumthekar R, Fetzer D, Socinski MA. Assessing response to treatment in non-small-cell lung cancer: role of tumor volume evaluated by computed tomography. *Clin Lung Cancer.* 2014 Mar;15(2):103-9.

Knollmann FD, Lacomis JM, Ocak I, Gleason T. The role of aortic wall CT attenuation measurements for the diagnosis of acute aortic syndromes. *Eur J Radiol.* 2013 Dec;82(12):2392-8.

Seethala S, Shah H, Knollmann F, Ramani R, N?mec J. Radiofrequency ablation of post-incisional atrial flutter and high-output heart failure in a patient with interrupted inferior vena cava and hereditary hemorrhagic telangiectasia. *Hellenic J Cardiol.* 2013 Nov-Dec;54(6):474-9.

Nichols L, Saunders R, Knollmann FD. Causes of death of patients with lung cancer. *Arch Pathol Lab Med.* 2012 Dec;136(12):1552-7.



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Ocak I, Lacomis JM, Deible CR, Türkbey B, Knollmann F. Prevalence of aortic root dilation in patients with CT angiography of the aorta. *Diagn Interv Radiol*. 2011 Sep;17(3):272-6.

Pu J, Zheng B, Leader JK, Fuhrman C, Knollmann F, Klym A, Gur D. Pulmonary lobe segmentation in CT examinations using implicit surface fitting. *IEEE Trans Med Imaging*. 2009 Dec;28(12):1986-96.

Ocak I, Lacomis JM, Deible CR, Pealer K, Parag Y, Knollmann F. The aortic root: comparison of measurements from ECG-gated CT angiography with transthoracic echocardiography. *J Thorac Imaging*. 2009 Aug;24(3):223-6.

Pu J, Leader JK, Zheng B, Knollmann F, Fuhrman C, Scieurba FC, Gur D. A Computational geometry approach to automated pulmonary fissure segmentation in CT examinations. *IEEE Trans Med Imaging*. 2009 May;28(5):710-9.

Knollmann FD, Wieltch A, Peters S, Mahlke A, Niederberger S, Kertesz T. Flat panel volume computed tomography of the coronary arteries. *Acad Radiol*. 2009 Oct;16(10):1251-62.

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